

## EAST Search History

| Ref # | Hits     | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|----------|--|---|------------------|---------|------------------|
| L1    | 2        | "20050070277"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/07/26 12:15 |
| L2    | 2        | "6078572".pn.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/07/26 12:17 |
| L3    | 2        | "20030172165"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/07/26 12:17 |
| L4    | 24961242 | @ad<="20030930" or @rlad<="20030930" or @ptad<="20030930" or @pt1d<="20030930" or @pt3d<="20030930"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/07/26 13:36 |
| L5    | 308      | ((multi near2 cast\$4) multicast\$4 "multi-cast\$4") with (tim\$4 near3 (access\$\$ delay\$4))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/07/26 13:38 |
| L6    | 222      | 4 and 5  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/07/26 14:55 |
| L7    | 2        | "6298239".pn.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/07/26 14:55 |
| S1    | 2        | receiv\$4 same (((multi near2 cast) multicast "multi-cast") near3 control\$4 near4 messag\$3) same (select\$4 near5 (respons\$4 confirm\$4 acknowledg\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/07/08 09:32 |
| S2    | 88018    | "455"/\$.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/07/09 11:36 |

## EAST Search History

|     |          |  |   |    |    |                  |
|-----|----------|--|---|----|----|------------------|
| S3  | 24583365 | @ad<="20030930" or<br>@rlad<="20030930" or<br>@ptad<="20030930" or<br>@pt1d<="20030930" or<br>@pt3d<="20030930"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/26 13:36 |
| S4  | 72461    | S2 and S3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 09:31 |
| S5  | 43       | receiv\$4 same (((multi near2 cast) multicast "multi-cast") near3 control\$4 near4 messag\$3) same (select\$4 respons\$4 confirm\$4 acknowledg\$4)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/26 13:37 |
| S6  | 41       | S3 and S5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 09:32 |
| S7  | 2        | (((multi near2 cast) multicast "multi-cast") near3 control\$4 near4 messag\$3) same (select\$4 near5 (respons\$4 confirm\$4 acknowledg\$4))                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 12:23 |
| S8  | 2        | (((multi near2 cast) multicast "multi-cast") near3 control\$4 near4 messag\$3) same ((tim\$4 period) near receiv\$4)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 10:41 |
| S9  | 11       | (((multi near2 cast) multicast "multi-cast") near3 control\$4 near4 messag\$3) same (pay\$4 bill\$ (subscrip\$\$ near3 (information data) authenticat\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 10:43 |
| S10 | 10       | S3 and S9  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S11 | 21       | (((multi near2 cast) multicast "multi-cast") near4 messag\$3) same (select\$4 near5 (respons\$4 confirm\$4 acknowledg\$4))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 10:46 |
| S12 | 19       | S11 and S3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 10:46 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S13 | 686 | (multicast near4 messag\$3) same<br>(respons\$4 confirm\$4<br>acknowledg\$4)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 12:23 |
| S14 | 364 | (multicast near4 messag\$3) with<br>(respons\$4 confirm\$4<br>acknowledg\$4)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 13:15 |
| S15 | 33  | S4 and S14   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S16 | 20  | (multicast near3 service) same<br>(select\$4 near6 (respons\$4<br>confirm\$4 acknowledg\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 13:16 |
| S17 | 18  | S3 and S16   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S18 | 40  | xu near2 lin.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/08 15:51 |
| S19 | 39  | S18 and S3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 11:20 |
| S20 | 2   | "20030172165"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 17:51 |
| S21 | 2   | "20050070277"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 11:29 |
| S22 | 2   | "20040037237"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 11:31 |

## EAST Search History

|     |          |  |   |    |    |                  |
|-----|----------|--|---|----|----|------------------|
| S23 | 66       | (multicast\$3 near3 control\$4 near3 messag\$3) with ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4)                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 11:49 |
| S24 | 24583365 | @ad<="20030930" or @rlad<="20030930" or @ptad<="20030930" or @pt1d<="20030930" or @pt3d<="20030930"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 12:06 |
| S25 | 88018    | "455"/\$.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 11:36 |
| S26 | 72461    | S24 and S25  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 11:36 |
| S27 | 64       | S23 and S24  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 11:37 |
| S28 | 37       | (multicast\$3 adj3 control\$4 adj3 messag\$3) with ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 13:03 |
| S29 | 35       | S24 and S28  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 11:56 |
| S30 | 15       | (multicast\$3 adj1 control\$4 adj1 messag\$3) with ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 12:04 |
| S31 | 29       | (multicast\$3 adj1 control\$4 adj1 messag\$3) same ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 12:13 |
| S32 | 15       | S31 and S23  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/09 12:04 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S33 | 27  | S24 and S31  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S34 | 56  | (multicast\$3 adj1 control\$4 adj1 messag\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:13 |
| S35 | 56  | (multicast\$3 adj1 control\$4 adj messag\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:13 |
| S36 | 62  | (multicast\$3 adj1 control\$4 adj2 messag\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:22 |
| S37 | 56  | S24 and S36  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:14 |
| S38 | 104 | (multicast\$3 adj2 control\$4 adj3 messag\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:58 |
| S39 | 96  | S24 and S38  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:23 |
| S40 | 87  | (multicast\$3 adj2 control\$4 adj3 packet\$2)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:59 |
| S41 | 74  | S24 and S40  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 12:59 |
| S42 | 106 | (multicast\$3 with (control\$4 near3 messag\$3)) same includ\$4 same ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 13:39 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S43 | 12  | S26 and S42  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:36 |
| S44 | 662 | (multicast\$3 near3 messag\$3) same includ\$4 same ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 13:39 |
| S45 | 226 | (multicast\$3 near3 messag\$3) with includ\$4 with ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 13:49 |
| S46 | 28  | S26 and S45  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 13:40 |
| S47 | 211 | S45 and S24  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 13:49 |
| S48 | 59  | (multicast\$3 near3 messag\$3) with includ\$4 with ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic) same control\$4 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 13:50 |
| S49 | 174 | (multicast\$3 near3 messag\$3) same includ\$4 same ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic) same control\$4 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 16:11 |
| S50 | 164 | S24 and S49  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 13:50 |
| S51 | 2   | "20030172165"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 18:14 |
| S52 | 2   | "20030157899"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 18:15 |

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|     |          |   |   |    |    |                  |
|-----|----------|---|---|----|----|------------------|
| S53 | 2        | "6684081".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/09 19:06 |
| S54 | 2        | "20030172165"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:33 |
| S55 | 3        | "6684081"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 16:33 |
| S56 | 2        | "6684081".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 18:50 |
| S57 | 2        | "20050070277"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 18:50 |
| S58 | 2        | "20030157899"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:33 |
| S59 | 24786941 | @ad<="20030930" or<br>@rlad<="20030930" or<br>@ptad<="20030930" or<br>@pt1d<="20030930" or<br>@pt3d<="20030930"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S60 | 14       | ((multi near2 cast) multicast<br>"multi-cast") near3 control\$4 near4<br>messag\$3) same (pay\$4 bill\$<br>(subscrip\$\$ near3 (information<br>data)) authenticat\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S61 | 12       | S59 and S60   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S62 | 92315    | "455"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |

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|     |          |  |   |    |    |                  |
|-----|----------|--|---|----|----|------------------|
| S63 | 74776    | S62 and S59  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S64 | 406      | (multicast near4 messag\$3) with<br>(respons\$4 confirm\$4<br>acknowledg\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S65 | 35       | S63 and S64  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S66 | 24       | (multicast near3 service) same<br>(select\$4 near6 (respons\$4<br>confirm\$4 acknowledg\$4))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S67 | 19       | S59 and S66  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S68 | 24786941 | @ad<="20030930" or<br>@rlad<="20030930" or<br>@ptad<="20030930" or<br>@pt1d<="20030930" or<br>@pt3d<="20030930"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S69 | 31       | (multicast\$3 adj1 control\$4 adj1<br>messag\$3) same ((multicast near2<br>(service rate)) bill\$4 data rate<br>pay\$4 authenitcat\$4 identif\$4<br>traffic) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S70 | 28       | S68 and S69  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:35 |
| S71 | 92315    | "455"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:36 |
| S72 | 74776    | S68 and S71  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:36 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S73 | 113 | (multicast\$3 with (control\$4 near3 messag\$3)) same includ\$4 same ((multicast near2 (service rate)) bill\$4 data rate pay\$4 authenitcat\$4 identif\$4 traffic) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:36 |
| S74 | 12  | S72 and S73  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/11 19:36 |